

FMP 10 LG 6A (Formative Assessment)

Marking Teacher: _____

Name: _____

Student #: _____

1. Find the greatest common factor (GCF) of 36, 42 & 60.
2. Find the least common multiple (LCM) of 12, 18 & 30.
3. Is 4096 a perfect square, a perfect cube, or neither. (Show your factorization)
4. Use algebra tiles to factor $4x^2 + 14x$. Sketch the tiles you used.
5. **Expand and simplify:** $(4 - x)(6 - x)$

6. **Expand and simplify:** $(5x + 1)(3x - 2)$

Factor each trinomial completely:

7. $x^2 - 2x - 24$

8. $-2y^2 + 16y + 40$

9. $2y^2 - 5y - 3$

10. $12x^2 + 8x - 15$

FMP 10 LG 6B (Formative Assessment)

Marking Teacher: _____

Name: _____

Student #: _____

1. Find the greatest common factor (GCF) of 40, 48 & 64.
2. Find the least common multiple (LCM) of 16, 24 & 40.
3. Is 2744 a perfect square, a perfect cube, or neither. (Show your factorization)
4. Use algebra tiles to factor $6x^2 + 15x$. Sketch the tiles you used.
5. **Expand and simplify:** $(5 - x)(3 + x)$

6. **Expand and simplify:** $(3y + 1)(4y - 2)$

Factor each trinomial completely:

7. $x^2 - 2x - 35$

8. $-3y^2 + 15y + 72$

9. $2x^2 - 5x + 2$

10. $12y^2 + y - 6$